

### MEDIDAS DE SOLERA

ESPEJOR x ANCHO Pulgadas	ESPEJOR x ANCHO Milímetros	PESO Kg./m.
$\frac{1}{8} \times \frac{1}{2}^*$	3.2 x 12.7	0.32
$\frac{1}{8} \times \frac{3}{4}^*$	3.2 x 19.0	0.47
$\frac{1}{8} \times 1^*$	3.2 x 25.4	0.63
$\frac{1}{8} \times 1\frac{1}{4}^*$	3.2 x 31.7	0.79
$\frac{1}{8} \times 1\frac{1}{2}^*$	3.2 x 38.1	0.95
$\frac{1}{8} \times 2^*$	3.2 x 50.8	1.27
$\frac{3}{16} \times \frac{1}{2}^*$	4.8 x 12.7	0.47
$\frac{3}{16} \times \frac{3}{4}^*$	4.8 x 19.0	0.71
$\frac{3}{16} \times 1^*$	4.8 x 25.4	0.95
$\frac{3}{16} \times 1\frac{1}{4}^*$	4.8 x 31.7	1.19
$\frac{3}{16} \times 1\frac{1}{2}^*$	4.8 x 38.1	1.42
$\frac{3}{16} \times 2^*$	4.8 x 50.8	1.90
$\frac{1}{4} \times 1^*$	6.3 x 25.4	1.27
$\frac{1}{4} \times 1\frac{1}{4}$	6.3 x 31.7	1.58
$\frac{1}{4} \times 1\frac{1}{2}$	6.3 x 38.1	1.90
$\frac{1}{4} \times 2^*$	6.3 x 50.8	2.53
$\frac{1}{4} \times 2\frac{1}{2}$	6.3 x 63.5	3.17
$\frac{1}{4} \times 3$	6.3 x 76.2	3.79
$\frac{1}{4} \times 4$	6.3 x 101.6	5.06
$\frac{1}{4} \times 5$	6.3 x 127.0	6.32
$\frac{1}{4} \times 6$	6.3 x 152.4	7.59
$\frac{1}{4} \times 8$	6.3 x 203.2	10.13

<b>ESPESOR x ANCHO Pulgadas</b>	<b>ESPESOR x ANCHO Milímetros</b>	<b>PESO Kg./m.</b>
$\frac{1}{4} \times 10$	6.3 x 254.0	12.66
$\frac{1}{4} \times 12$	6.3 x 304.8	15.18
$\frac{3}{8} \times 1$	9.5 x 25.4	1.90
$\frac{3}{8} \times 1 \frac{1}{4}$	9.5 x 31.7	2.38
$\frac{3}{8} \times 1 \frac{1}{2}$	9.5 x 38.1	2.84
$\frac{3}{8} \times 2$	9.5 x 50.8	3.79
$\frac{3}{8} \times 2 \frac{1}{2}$	9.5 x 63.5	4.75
$\frac{3}{8} \times 3$	9.5 x 76.2	5.70
$\frac{3}{8} \times 4$	9.5 x 101.6	7.59
$\frac{1}{2} \times 1$	12.7 x 25.4	2.53
$\frac{1}{2} \times 1 \frac{1}{2}$	12.7 x 38.1	3.79
$\frac{1}{2} \times 2$	12.7 x 50.8	5.06
$\frac{1}{2} \times 2 \frac{1}{2}$	12.7 x 63.5	6.32
$\frac{1}{2} \times 3$	12.7 x 76.2	7.59
$\frac{1}{2} \times 4$	12.7 x 101.6	10.13
$\frac{5}{8} \times 3$	15.9 x 101.6	9.49
$\frac{5}{8} \times 4$	15.9 x 101.6	12.66
$\frac{5}{8} \times 5$	15.9 x 127.0	15.83
$\frac{3}{4} \times 1 \frac{1}{2}$	19.0 x 38.1	5.70
$\frac{3}{4} \times 2$	19.0 x 50.8	7.59
$\frac{3}{4} \times 2 \frac{1}{2}$	19.0 x 63.5	9.49
$\frac{3}{4} \times 3$	19.0 x 76.2	11.40
$\frac{3}{4} \times 4$	19.0 x 101.6	15.18

**MEDIDAS DE HSS**

<b>DIMENSIONES EXTERIORES pulg</b>	<b>DIMENSIONES EXTERIORES mm</b>	<b>ESPESOR pulg — mm</b>	<b>PESO Kg/m</b>
<b>4" x 4"</b>	102 x 102	0.312 — 7.9	22.13
		0.375 — 9.5	25.74
<b>5" x 5</b>	127 x 127	0.312 — 7.9	28.52
		0.375 — 9.5	33.44
<b>6" x 4"</b>	152 x 102	0.312 — 7.9	28.52
		0.375 — 9.5	33.28
<b>6" x 6"</b>	152 x 152	0.187 — 4.7	21.62
		0.250 — 6.3	28.36
		0.312 — 7.9	34.75
		0.375 — 9.5	40.98
		0.500 — 12.7	52.46
<b>8" x 4"</b>	203 x 102	0.187 — 4.7	21.64
		0.250 — 6.3	28.36
		0.312 — 7.9	34.75
		0.375 — 9.5	40.98
		0.500 — 12.7	52.46
<b>8" x 6"</b>	203 x 152	0.250 — 6.3	33.44
		0.375 — 9.5	48.52
<b>8" x 8"</b>	203 x 203	0.187 — 4.7	29.18
		0.250 — 6.3	38.52
		0.312 — 7.9	47.38
		0.375 — 9.5	56.07
		0.500 — 12.7	72.79
<b>10" x 6"</b>	254 x 152	0.187 — 4.7	29.34
		0.250 — 6.3	38.52
		0.375 — 9.5	56.14
		0.500 — 12.7	72.79

### MEDIDAS DE POLÍN

Perfil	Dimensiones	Kg./m.	Largo (m)
3 Cal 16	3" x 1 1/2"	2.09	6
3 Cal 14	3" x 1 1/2"	2.40	6
4 Cal 16	4" x 2"	2.69	6
4 Cal 14	4" x 2"	3.18	6
5 Cal 14	5" x 2"	3.55	6
6 Cal 14*	6" x 2"	4.16	6
6 Cal 12	6" x 2"	5.66	6
8 Cal 14*	8" x 2 3/4"	5.37	8
8 Cal 14	8" x 2 3/4"	5.37	6
8 Cal 12	8" x 2 3/4"	7.62	8
8 Cal 10	8" x 2 3/4"	9.62	8
10 Cal 14***	10" x 2 3/4"	6.20	10
10 Cal 14**	10" x 3 1/2"	7.03	10
10 Cal 12	10" x 2 3/4"	8.70	10
10 Cal 10	10" x 2 3/4"	11.10	10
12 Cal 14	12" x 3 1/2"	7.66	12
12 Cal 12	12" x 3 1/2"	10.83	12
12 Cal 10	12" x 3 1/2"	13.83	12

**MEDIDAS DE PTR**

<b>DIMENSIONES EXTERIORES pulg</b>	<b>DIMENSIONES EXTERIORES mm</b>	<b>ESPESOR pulg — mm</b>	<b>Calibre</b>	<b>PESO Kg/m</b>
<b><math>3/4'' \times 3/4''</math></b>	19 x 19	0.048 — 1.2	C18	0.70
	25 x 25	0.048 — 1.2	C18	0.90
	25 x 25	0.060 — 1.5	C16	1.18
	25 x 25*	0.075 — 1.9	C14	1.33
	25 x 25	0.105 — 2.7	C12	1.76
	25 x 25	0.120 — 3.0	C11	1.95
	25 x 25	0.135 — 3.4	C10	2.13
<b><math>1\ 1/4'' \times 1\ 1/4''</math></b>	32 x 32	0.048 — 1.2	C18	1.22
	32 x 32	0.060 — 1.5	C16	1.40
	32 x 32*	0.075 — 1.9	C14	1.71
	32 x 32	0.105 — 2.7	C12	2.30
<b><math>1\ 1/2'' \times 1\ 1/2''</math></b>	38 x 38	0.048 — 1.2	C18	1.38
	38 x 38	0.060 — 1.5	C16	1.80
	32 x 32*	0.075 — 1.9	C14	2.09
	38 x 38	0.105 — 2.7	C12	2.82
	38 x 38	0.120 — 3.0	C11	3.17
	38 x 38	0.135 — 3.4	C10	3.50
	38 x 38	0.150 — 3.8	C09	3.81
<b>2'' x 1''</b>	51 x 25	0.075 — 1.9	C14	2.09
<b>2'' x 2''</b>	51 x 51	0.048 — 1.2	C18	1.87
	51 x 51	0.060 — 1.5	C16	2.31
	51 x 51*	0.075 — 1.9	C14	2.85
	51 x 51	0.105 — 2.7	C12	3.89

	51 x 51	0.120 — 3.0	C11	4.38
	51 x 51	0.135 — 3.4	C10	4.87
	51 x 51	0.150 — 3.8	C09	5.33
<b>2 1/2" x 2 1/2"</b>	64 x 64	0.075 — 1.9	C14	3.62
	64 x 64	0.105 — 2.7	C12	5.27
	64 x 64	0.120 — 3.0	C11	5.60
	64 x 64	0.135 — 3.4	C10	6.23
	64 x 64	0.180 — 4.6	C07	8.36
<b>3" x 1 1/2"</b>	76 x 38	0.075 — 1.9	C14	3.23
<b>3" x 2"</b>	76 x 51	0.075 — 1.9	C14	3.62
	76 x 51	0.120 — 3.0	C11	5.60
	76 x 51	0.135 — 3.4	C10	6.23
	76 x 51	0.180 — 4.6	C07	8.36
<b>3" x 3"</b>	76 x 76	0.075 — 1.9	C14	4.38
	76 x 76	0.120 — 3.0	C11	5.60
	76 x 76	0.150 — 3.8	C09	8.37
	76 x 76	0.180 — 4.6	C07	10.26
	76 x 76	0.250 — 6.3	1/4	13.11
<b>3 1/2" x 3 1/2"</b>	89 x 89	0.120 — 3.0	C11	8.03
	89 x 89	0.150 — 3.8	C09	9.90
	89 x 89	0.180 — 4.6	C07	12.17
	89 x 89	0.250 — 6.3	1/4	15.67
<b>4" x 1 1/2"</b>	102 x 38	0.075 — 1.9	C14	3.99
<b>4" x 2"</b>	102 x 51	0.075 — 1.9	C14	4.61
	102 x 51	0.120 — 3.0	C11	6.81
	102 x 51	0.150 — 3.8	C09	8.37
	102 x 51	0.180 — 4.6	C07	10.26

	102 x 51	0.250 — 6.3	1/4	13.13
<b>4" x 3"</b>	102 x 76	0.075 — 1.9	C14	5.40
	102 x 76	0.120 — 3.0	C11	8.03
	102 x 76	0.150 — 3.8	C09	9.89
	102 x 76	0.180 — 4.6	C07	12.14
	102 x 76	0.250 — 6.3	1/4	15.64
<b>4" x 4"</b>	102 x 102	0.075 — 1.9	C14	6.19
	102 x 102	0.120 — 3.0	C11	9.24
	102 x 102	0.187 — 4.6	C07	14.08
	102 x 102	0.250 — 6.3	1/4	18.18
	102 x 51	0.250 — 6.3	1/4	13.13
<b>4" x 3"</b>	102 x 76	0.075 — 1.9	C14	5.40
	102 x 76	0.120 — 3.0	C11	8.03
	102 x 76	0.150 — 3.8	C09	9.89
	102 x 76	0.180 — 4.6	C07	12.14
	102 x 76	0.250 — 6.3	1/4	15.64
<b>4" x 4"</b>	102 x 102	0.075 — 1.9	C14	6.19
	102 x 102	0.120 — 3.0	C11	9.24
	102 x 102	0.187 — 4.6	C07	14.08
	102 x 102	0.250 — 6.3	1/4	18.18

### ÁNGULO LADOS IGUALES

ESPEJOR x ANCHO Pulgadas	ESPEJOR x ANCHO Milímetros	PESO Kg./m.
.109" x 1	<b>2.8 x 25.4</b>	<b>1.05</b>
1/8 x 3/4	<b>3.2 x 19.0</b>	<b>0.88</b>
1/8 x 1	<b>3.2 x 25.4</b>	<b>1.19</b>
1/8 x 1 1/4	<b>3.2 x 31.7</b>	<b>1.50</b>
1/8 x 1 1/2	<b>3.2 x 38.1</b>	<b>1.83</b>
1/8 x 1 3/4	<b>3.2 x 44.4</b>	<b>2.14</b>
1/8 x 2	<b>3.2 x 50.8</b>	<b>2.46</b>
3/16 x 1	<b>4.8 x 25.4</b>	<b>1.73</b>
3/16 x 1 1/4	<b>4.8 x 31.7</b>	<b>2.20</b>
3/16 x 1 1/2	<b>4.8 x 38.1</b>	<b>2.68</b>
3/16 x 1 3/4	<b>4.8 x 44.4</b>	<b>3.15</b>
3/16 x 2	<b>4.8 x 50.8</b>	<b>3.63</b>
3/16 x 2 1/2	<b>4.8 x 63.5</b>	<b>4.57</b>
3/16 x 3	<b>4.8 x 76.2</b>	<b>5.52</b>
1/4 x 1	<b>6.3 x 25.4</b>	<b>2.22</b>
1/4 x 1 1/4	<b>6.3 x 31.7</b>	<b>2.86</b>
1/4 x 1 1/2	<b>6.3 x 38.1</b>	<b>3.48</b>
1/4 x 2	<b>6.3 x 50.8</b>	<b>4.75</b>
1/4 x 2 1/2	<b>6.3 x 63.5</b>	<b>6.10</b>
1/4 x 3	<b>6.3 x 76.2</b>	<b>7.29</b>
1/4 x 4	<b>6.3 x 101.6</b>	<b>9.82</b>
5/16 x 3	<b>7.9 x 76.2</b>	<b>9.08</b>
5/16 x 4	<b>7.9 x 101.6</b>	<b>12.20</b>



3/8 x 2	9.5 x 50.8	6.99
3/8 x 2 1/2	9.5 x 63.5	8.78
3/8 x 3	9.5 x 76.2	10.71
3/8 x 4	9.5 x 101.6	14.58
3/8 x 5	9.5 x 127.0	18.30
3/8 x 6	9.5 x 152.4	22.17
1/2 x 3	12.7 x 76.2	13.99
1/2 x 4	12.7 x 101.6	19.05
1/2 x 5	12.7 x 127.0	24.11
1/2 x 6	12.7 x 152.4	29.16

**SE MANEJAN E ACERO A-36 O A 529 G-50**

ESPEJOR x ANCHO Pulgadas	ESPEJOR x ANCHO Milímetros	PESOKg./m.
1/8 x 1 1/2*	3.2 x 38.1	1.83
1/8 x 1 3/4*	3.2 x 44.4	2.14
1/8 x 2**	3.2 x 50.8	2.46
3/16 x 1 3/4*	4.8 x 44.4	3.15
3/16 x 2**	4.8 x 50.8	3.63
3/16 x 2 1/2**	4.8 x 63.5	4.57
3/16 x 3**	4.8 x 76.2	5.52
1/4 x 1 3/4*	6.3 x 44.4	4.12
1/4 x 2**	6.3 x 50.8	4.75
1/4 x 2 1/2**	6.3 x 63.5	6.10
1/4 x 3**	6.3 x 76.2	7.29
1/4 x 3 1/2**	6.3 x 88.9	8.63

$1/4 \times 4^{**}$	<b>6.3 x 101.6</b>	<b>9.82</b>
$5/16 \times 3^{**}$	<b>7.9 x 76.2</b>	<b>9.08</b>
$5/16 \times 4^{**}$	<b>7.9 x 101.6</b>	<b>12.20</b>
$5/16 \times 5^{**}$	<b>7.9 x 127.0</b>	<b>15.29</b>
$5/16 \times 6^{**}$	<b>7.9 x 152.4</b>	<b>18.45</b>
$3/8 \times 3^{**}$	<b>9.5 x 76.2</b>	<b>10.71</b>
$3/8 \times 3 \ 1/2^{**}$	<b>9.5 x 88.9</b>	<b>12.57</b>
$3/8 \times 4^{**}$	<b>9.5 x 101.6</b>	<b>14.58</b>
$3/8 \times 5^{**}$	<b>9.5 x 127.0</b>	<b>18.30</b>
$3/8 \times 6^{**}$	<b>9.5 x 152.4</b>	<b>22.17</b>
$7/16 \times 4^{**}$	<b>11.1 x 101.6</b>	<b>16.81</b>
$7/16 \times 6^{**}$	<b>11.1 x 152.4</b>	<b>25.59</b>
$1/2 \times 3^{**}$	<b>12.7 x 76.2</b>	<b>13.99</b>
$1/2 \times 4^{**}$	<b>12.7 x 101.6</b>	<b>19.05</b>
$1/2 \times 5^{**}$	<b>12.7 x 127.0</b>	<b>24.11</b>
$1/2 \times 6^{**}$	<b>12.7 x 152.4</b>	<b>29.16</b>
$1/2 \times 8^{**}$	<b>12.7 x 203.8</b>	<b>39.28</b>
$9/16 \times 8^{**}$	<b>14.3 x 203.2</b>	<b>44.05</b>
$5/8 \times 4^{**}$	<b>15.9 x 101.6</b>	<b>23.36</b>
$5/8 \times 6^{**}$	<b>15.9 x 152.4</b>	<b>36.01</b>
$5/8 \times 8^{**}$	<b>15.9 x 203.2</b>	<b>48.66</b>
$3/4 \times 6^{**}$	<b>19.0 x 152.4</b>	<b>42.71</b>
$3/4 \times 8^{**}$	<b>19.0 x 203.2</b>	<b>57.88</b>
$7/8 \times 8^{**}$	<b>22.2 x 203.2</b>	<b>66.96</b>
$1 \times 6^{**}$	<b>25.4 x 152.4</b>	<b>55.65</b>

1 x 8**	25.4 x 203.2	75.89
1 1/8 x 8**	28.6 x 203.2	84.67

**ÁNGULOS (LADOS DESIGUALES) A 6.10 MTS. (20 PIES)**

ESPEJOR x ANCHO Pulgadas	ESPEJOR x ANCHO Milímetros	PESO Kg./m.
3/16 x 3 x 2	4.8 x 76.2 x 50.8	4.57
1/4 x 3 x 2	6.3 x 76.2 x 50.8	6.10

**ÁNGULOS A 12.20 MTS. (40 PIES)**

ESPEJOR x ANCHO Pulgadas	ESPEJOR x ANCHO Milímetros	PESO Kg./m.
1/4 x 4 x 3	6.3 x 101.6 x 76.2	8.63
5/16 x 6 x 4	7.9 x 152.4 x 101.6	15.33
3/8 x 4 x 3	9.5 x 101.6 x 76.2	12.65
3/8 x 6 x 4	9.5 x 152.4 x 101.6	18.30
1/2 x 6 x 4	12.7 x 152.4 x 101.6	24.11